



AGH 7000



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BRUGSANVISNING

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KÄYTTÖOHJE

GB

OPERATING MANUAL

AGH-7000

GB
DK
SE
NO
FI

USER MANUAL
BRUGERVEJLEDNING
ANVÄNDARHANDBOK
BRUKSANVISNING
KÄYTTÖOHJE



AGH-7000

- GB The features described in this manual are published with reservation to modifications.
- DK Vi forbeholder os retten til ændringer af de specifikationer, der er beskrevet i denne brugsanvisning.
- SE Funktionerna i denna bruksanvisning publiceras med reservation för ändringar.
- NO Funksjoner beskrevet i denne manualen kan endres uten nærmere informasjon.
- FI Tässä ohjekirjassa julkaissut tiedot voivat muuttua ilman ennakkoilmoitusta.

Directions for Use (GB)

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A. What you need to know in advance

Gas heater (radiation) with an auxiliary electrical fan heater (convection)

This heater requires a minimum of space and ventilation in which it may be used safely (refer to Section D). Always leave a window or door slightly ajar (± 2.5 cm), especially in highly insulated or draught-free rooms and/or at altitudes above 1,500 metres.

This gas heater requires a suitable hose and regulator. In case of doubt ask for information from your gas supplier.

The heater must be installed as described in the 'installation', section and the warnings described in the 'warnings' section should be taken into account.

Characteristics: AGH-7000	Heating Capacity max. 4,2 kW (gas)
Gas type: I3B/P(30)	Heating Capacity med. 2,7 kW (gas)
Pressure: 29 mbar	Heating Capacity min. 1,4 kW (gas)
Compartment for gas cylinder of 15 Kg max.	Consumption max. 300 g/h
Piezoelectric ignition	Consumption med. 200 g/h
Safety system: Oxygen Depletion System (ODS)	Consumption min. 100 g/h
Rated voltage: 230-240V	Max. electrical heat power: 2,0 kW – 2,2 kW
Frequency: 50Hz	Min. electrical heat power: 1,0 kW
Overheating protection: thermostat	Fan: 130m ³ /h

* Including folding base plate

This heater is constructed in conformity with the EN 449:2002 standard and the applicable Gas Appliance Directive (GAD) 90/396/EEC as last modified by Directive 93/68/EEC. The electrical components comply with the relevant EMC and LVD requirements.

B. Warnings

- Read the Directions for Use before using the heater;
- Install the heater only if it complies with local regulations, laws and standards;
- Install the heater according to the instructions as described in the installation section of the directions for use;
- This heater is manufactured according to CE standards. Nevertheless, as with any other heating device, care must be taken;
- The heater is intended to provide supplementary heat. Therefore do not consider it as a central heater;

- The heater is only suitable for use in dry, not dusty, locations and should not be used in leisure vehicles;
- Make sure that the correct gas is used and that the gas containers are not exposed to heat or extreme temperature changes. Always store the gas containers in a cool, dry and dark place;
- Always use a suitable and approved low-pressure regulator. In case of any doubt contact your local dealer;
- Use the heater only in well-ventilated rooms. In this way the gases produced by combustion will be removed by fresh air;
- Never use the heater in places where harmful gases or fumes may be present (e.g. exhaust gases or paint fumes);
- If the heater is positioned too close to inflammable materials you may risk fire;
- The heater will become hot during operation. Do not cover the device (there is risk of fire). Avoid contact with the grille;
- Do not move the heater when it is burning or still hot;
- Do not replace the gas container or service the heater when it is still burning or still hot;
- Do not insert hands, fingers or objects into any of the heater's openings;
- Do not misuse or pull the cable to disconnect it from the socket outlet. Instead, grasp the plug and pull it to disconnect.
- Make sure that people and animals keep a safe distance from the radiant part in order to prevent them from any injury or risk of fire;
- For safety reasons take care when children or animals are in the proximity of the heater, as with any other heating device;
- Make sure that children are always aware of the presence of a burning heater;
- The heater has a front grille to prevent the risk of fire or injury. This grille protects the burner and should never be removed.
- After use close the gas container;
- Turn off the heater when going to sleep;
- Have any repairs and/or maintenance carried out by a recognized service engineer only;
- Follow the instructions for use and maintenance as indicated in the Directions for Use of the heater;
- Follow the instructions to find any gas leakage as described in these Directions for Use.
- In order to avoid overheating do not cover the heater.
- The heater must not be located immediately below a socket outlet.
- Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.
- If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- This appliance is not intended for use by children, or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety .
- Children should be supervised to ensure that they do not play with the appliance

C. Assembling the gas heater

Note: A gaspressure regulator and its user manual is included in a separate packaging.

1. Carefully remove your heater from the box and check the contents. In addition to the heater you should also have:
 - Directions for Use for the gas heater;
 - a low-pressure regulator, with hose and user instructions.
 Keep the box and the packaging materials for storage and/or transportation.
2. Remove all other packaging materials and check the heater for any damage. If you have any doubts concerning the heater please contact qualified service personnel. Keep all packaging material out of the reach of young children;

3. Please the heater lying on the ground on a soft rug (as showed in fig. 1), remove two of the wing nuts, pull out the extension panel, let the screw holes of bottom panel consist with the screw holes of extension panel, then fix the winged nuts according to primary installing way (as showed Fig.2).

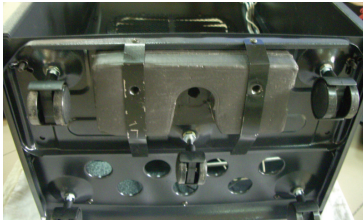


Figure 1



Figure 2



Figure 3

4. Before connecting the low-pressure regulator, please check and read the following: The gas heater should only be powered by Liquefied Petroleum Gas (LPG) in a container with a maximum weight of 15kg. Connect the low-pressure regulator with a fixed calibration of maximum 30 mbar that complies with EN 12864:2002. The hose should be marked according to national standards and should have a length between 50cm and 60cm. For correct connection, the hose should be connected using metal bands of a suitable size. It needs to be replaced by the date stamped on it. For correct connection, follow the instructions provided with the low-pressure regulator.
5. Slide the two metal rings around the hose. Connect the hose to the hose union of the low-pressure regulator and to that of the tab. Close the metal rings firmly with a screw, but make sure that you do not damage the fitting or any component.
6. Before connecting the low-pressure regulator to the gas container, make sure that the gas container is closed and that there are no open flames (i.e. a lit oven) in the place where you are working. Connect the low-pressure regulator according to the user instructions that are provided with the low-pressure regulator.

Check for gas leaks: see section F

7. Place the gas container in its compartment. Take care that the hose is not twisted or obstructed, and that it is unable to touch any hot parts of the heater;
8. Hook the rear cylinder cover onto the compartment by inserting the two hooks into the respective holes of the cabinet (Fig. 3);

In addition

9. To replace the gas container, make sure that the gas container is closed (follow the user instructions provided with the low-pressure regulator). Let the gas heater cool down first and make sure that there are no open flames or other sources of heat in the area in which you are working;
10. In addition it is recommended that the gasket seals of the regulator and the flexible rubber hose is checked to ascertain their condition. If you have any doubt concerning the condition of the hose or the seals, replace them;
11. Make sure that you do not damage the connection or any other components;
12. Never turn the gas container upside down in order to make full use of the contents. This may release liquid residues left in the container that damage the heater irreparably;
13. For disconnection or connection of the low-pressure regulator, always follow the user instructions provided with the regulator;
14. The manufacturer is not responsible for any harm or damage if attention is not paid to the points described above.

D. Installation

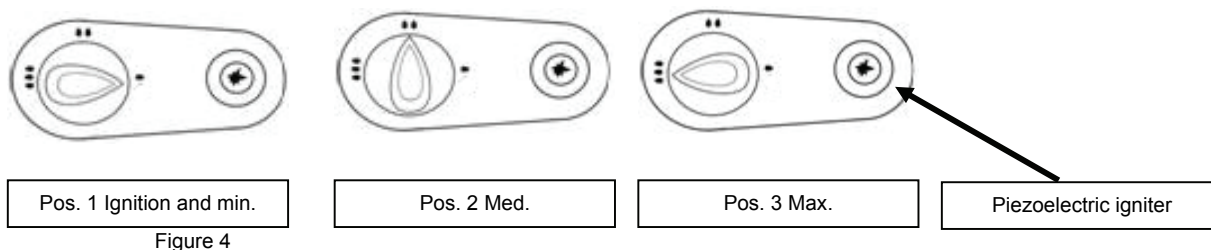
1. Use the gas heater in well-ventilated rooms only. A room size of 85m^3 - 45m^3 ($\sim 40 - 20\text{m}^2$) is recommended and the room should never be smaller than 20m^3 ($\sim 10\text{m}^2$).
2. The room in which the gas heater is used should have enough air circulation for normal combustion. Therefore it is recommended that the room must draw at least through an opening of 100cm^2 from the outside to replace the air;
3. Always place the heater on a flat and stable surface. Never install or use the heater in a bathroom or bedroom, in the basement, on the upper floors of a building or in leisure accommodations;
4. Never position the gas heater too close to other sources of heat (a distance of at least 1 metre is required between the gas heater and other heating sources) or inflammable or explosive materials. During operation, the gas heater should not face objects that can be damaged or burned;
5. Position the heater so that the heat is directed towards the centre of the room and towards an open space. In addition, the front, radiant part must be at least 2.0 metres away from any inflammable materials, i.e. curtains or sofas;
6. Never operate the gas heater when the gas container is outside its compartment.

E. Use

Gas heater (radiation)

The knobs for turning the gas heater ON are located on the upper part of the heater.

1. Open the gas container (follow the user instructions provided with the low-pressure regulator);
2. Turn the regulation knob into position as indicated in fig. 4; press it all the way down and, at the same time, press the piezoelectric button; this turns the atmosphere analyser on. To keep the flame lit, the knob must be held pressed down for 20 seconds after ignition;
3. Release the knob and turn it to the position corresponding with the desired amount of heat:
 - a. 1: minimum (the position when the knob is released after ignition);
 - b. 2: medium;
 - c. 3: maximum.




Electrical heater: (convection)

Fan control and electrical heater control

The fan and the electrical heater are designed to assist the heat circulation (convection) throughout the room.

Fan Switch pushed down:

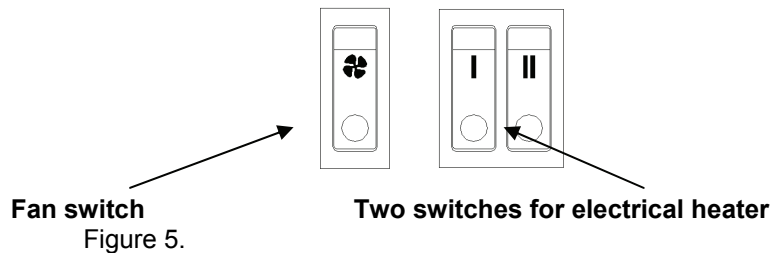
 - ON
"O" - OFF

Electrical heater switches

Electrical heater switch pushed down: "I and II" – ON
"O" – OFF

While the fan is running, press one or two switches; one switch 'on' is 1 kW, both switches 'on' is 2kW heat output.

IMPORTANT: The fan must be 'on' to achieve heat output from the electrical heater.



4. To turn OFF the gas heater, close the gas container (follow the instructions provided with the low-pressure regulator);

IMPORTANT: To turn off the electrical heater push the two switches and fan switch to 'O' and pull out the plug from the socket.

5. Do not hold the regulation knob pressed down for longer than 40 seconds;
6. Never move the heater when it is hot and/or in operation.

F. Gas leaks

If you think there may be a gas leak, please follow this procedure:

1. Close the gas container (follow the user instructions for the regulator);
2. Extinguish all open flames, for instance stoves;
3. Open windows in order to increase airflow circulation;
4. DO NOT turn off electrical devices, for instance lamps, heaters, or fans (avoid sparks!);
5. Prepare a bucket of soapy water;
6. Open the gas container (follow the user instructions for the regulator);
7. Brush the soapy water on all fittings and connections of the gas circuit;
8. If there is a gas leak, bubbles will rise up from the location of the leak;
9. If a leak is found, close the gas container (follow the user instructions for the regulator).
10. Tighten the fitting and the metal rings of the connection;
11. Open the gas container (follow the user instructions for the regulator) and repeat the procedure again.

If there is still a gas leak contact a professional and qualified engineer for help.

G. Fan does not run

Make sure the power cable plug is connected in a sufficient way and electricity is available. If the fan does not run, please check by following the next steps (only for professionals):

1. Turn off the gas cylinder to extinguish the flame;
2. Pull out the power cord;
3. After the heater is cooled down, remove the gas container, and remove the three screws on the cover protecting the wires, with a cross screwdriver;

4. Find out the fuse house (fig. 4), loosen it according to the showed arrow direction;
5. Take out the fuse tube, replace it with a well fitting 10A one;
6. Fix the cover protecting wires with the cross screwdriver;
7. Insert the power cord plug; Turn on the fan power switch, and the fan will run;
8. If the fan does not run still, please contact a professional workshop for help, and repair.

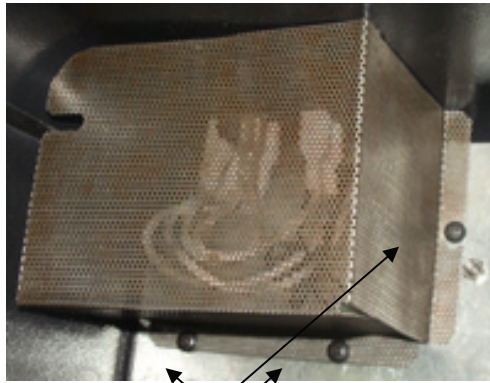


Figure 6: Cross Screw

H. Cleaning and Maintenance

Before cleaning, turn the gas - and the electrical heater OFF and wait until it has cooled down completely. Disconnect the heater from the mains, pull out the power plug. To clean the outside of the heater, use a soft cloth dampened with water and liquid detergent. Never use abrasive products. Do not use water, inflammable or abrasive cleaners.

- It is recommended that the gas heater is inspected once a year by a professional;
- Regularly inspect the atmosphere analyser and the vents. If there is any dust or lint, remove it without damaging the burner or tubing;
- Check the condition of the flexible rubber hose frequently and replace it by its expiration date, which is stamped on it. Also check the condition of the gasket seal on the pressure regulator every time the gas container is changed;
- Take care not to hit or damage the fragile surface of the burner, the fittings and gas hoses, the regulator and all other components of the gas circuit;
- Please follow the storage instructions when the gas heater will not be used for an extensive period.

I. Storage Instructions

- Disconnect the gas container from the heater, and pull out the power plug;
- Store the gas container in a well-ventilated room. Position it far away from inflammable, explosive or hot materials and preferably not in the home. In addition it should never be stored in the basement or attic;
- The gas heater should be stored in a dry place and should be protected against dust (preferably in the original packaging);

If it is decided that the gas heater will not be used any more, it is recommended that it is disconnected from the gas container. Also cut the rubber hose. If children play with the heater, make sure that dangerous parts are removed.

Never dispose of non-biodegradable products in the environment, but dispose of them in accordance with current national legislation. At the end of its lifetime, the product must not be disposed of as urban waste. It must be taken to a special local authority differentiated waste collection centre or to a dealer providing this service. Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered in order to make significant savings in energy and resources. As a reminder of the need to dispose of household appliances separately, the product is marked with an image of a crossed-out wheeled dustbin.

Remember that the gas heater consists of the following materials:

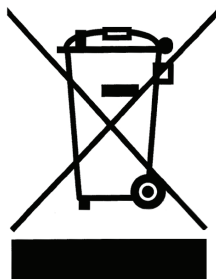
- Iron, i.e. the heater cabinet and the burner body;
- Aluminium, gas tubes, fan wheel;
- Brass, i.e. the tap and atmosphere analyser;
- Plastic, i.e. the wheels and the piezoelectric igniter, plastic switches, fusebox;
- Copper covered with rubber, i.e. piezoelectric igniter and the thermocouple;
- Ceramics, burner plate.
- 10A fuse tube
- Heat resistance wire
- PVC power cable, heat resistant wire.

J. Warranty Provisions

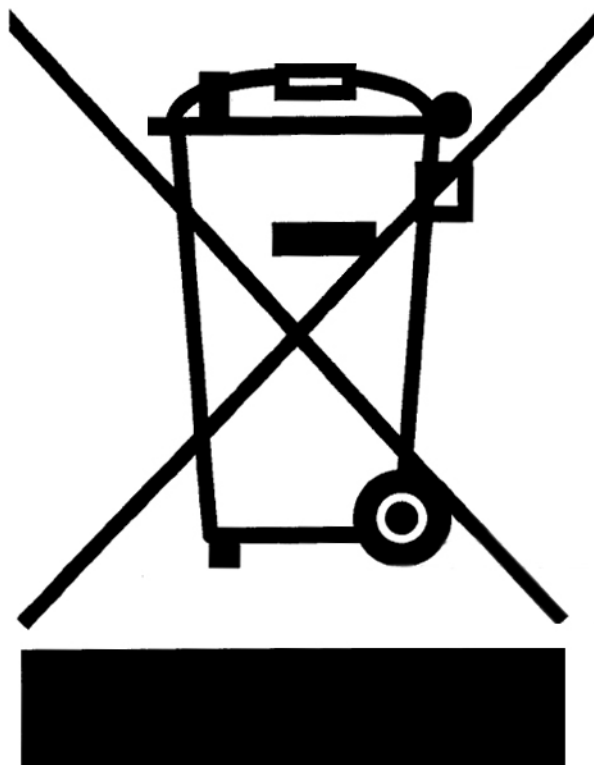
Your heater comes with a 24-month warranty starting on the date of purchase. Within this period any defects in material or workmanship will be repaired without any charge. The following provisions shall apply regarding this warranty:

1. We expressly dismiss all other claims for damage, including consequential damages;
2. Any repairs or replacements of components within the term of the warranty will not result in an extension of the term of the warranty;
3. The warranty will no longer apply if the heater has been modified, non-original parts have been used, or if it has been repaired by third parties;
4. The warranty will only apply, when you present the original, dated proof of purchase, provided no changes have been made to it;
5. The warranty will not apply to damage caused by actions not in compliance with the Directions for Use, neglect, or the use of the wrong type of power supply or of gas that has passed its use-by date. Use of the wrong gas can be dangerous;
6. Transportation costs and the risk involved during the transportation of the heater or heater components will always be the responsibility of the purchaser.

In order to avoid unnecessary costs, we recommend that you always read the Directions for Use carefully first. If they offer no solution, please take the heater to your dealer for repair.



When the appliance is no longer functional, it should be disposed of in such a way as to cause minimum environmental impact, in accordance with the regulations of your local authority.



DK

Når apparatet ikke længere fungerer, skal det bortskaffes på en måde, så det belaster miljøet mindst muligt og i henhold til de regler, som gælder i din kommune.

NO

Apparater som ikke virker lenger, bør avhendes på en slik måte at de er til minst mulig belastning for miljøet, og i henhold til reglene som gjelder i kommunen der du bor.

SE

När apparaten inte längre fungerar måste den kasseras på ett sådant sätt att den skadar miljön i minsta möjliga mån och i enlighet med de regler som gäller i din kommun.

GB

When the appliance is no longer functional, it should be disposed of in such a way as to cause minimum environmental impact, in accordance with the regulations of your local authority.

FI

Kun sähkölaite lakkaa toimimasta, se on hävitettävä tavalla, joka rasittaa ympäristöä mahdollisimman vähän ja on kunnassa voimassa olevien sääntöjen mukainen.

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